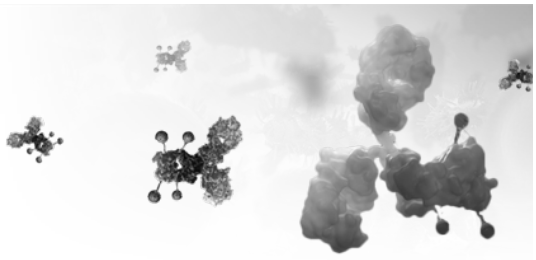

Recombinant SARS-CoV-2 (COVID-19) N Protein (B.1.1.529) [His] (DAG-WT552)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	SARS-CoV-2 N protein (B.1.1.529/Omicron) was expressed in E. coli and fused a polyhistidine at the N-terminus. Mutants: P13L, E31del, R32del, S33del, R203K, G204R
Conjugate	His
Applications	Immunoassay
Format	Lyophilized
Size	100 µg
Buffer	50 mM PB, 500 mM NaCl, pH 7.0
Preservative	None

BACKGROUND

Introduction	Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. N protein packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M. Plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.
Keywords	SARS-CoV-2; Coronavirus; Omicron; SARS-CoV-2 nucleocapsid

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